

## Special Issue

# Application of Glulam Beams in Wood Building Industry

### Message from the Guest Editors

Wood is one of the oldest known materials used in construction. For centuries, it has been applied to produce natural, renewable structural elements that are alternatives to steel or concrete. Glued-laminated timber is an example of an engineered wood product that has attracted the attention of scientists in recent years. GLT has the typical features of solid timber such as lightness, good strength and elasticity, simplicity in fabrication, reusability and environmental compatibility. Its cross-section has a layered structure that enables the manufacture of components with variable cross-sectional heights as needed. As a result, in accordance with Journal Citation Reports, more than 700 scientific papers on glulam beams were published in the last 20 years. The aim of this Special Issue is to bring up-to-date knowledge on the latest processes for manufacturing structural glulam beams and to present construction products with improved or modified properties. Moreover, this Special Issue also aims to create a space to present new technological solutions and to identify the features and drawbacks of current materials that need improvement.

---

### Guest Editors

Dr. Jakub Kawalerczyk

Prof. Radosław Mirski

Dr. Joanna Walkiewicz

---

### Deadline for manuscript submissions

closed (15 November 2023)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/131473](https://mdpi.com/si/131473)

*Forests*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[forests@mdpi.com](mailto:forests@mdpi.com)

[mdpi.com/journal/  
forests](https://mdpi.com/journal/forests)





# Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/journal/  
forests](https://mdpi.com/journal/forests)



## About the Journal

### Message from the Editor-in-Chief

*Forests* (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

---

### Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,  
I-25121 Brescia, Italy

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

#### Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).